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PART IV-A

**Rules and Orders (Other than those published in Parts I, I-A, and I-L) made
by the Government of Gujarat under the Central Acts**

NARMADA, WATER RESOURCES, WATER SUPPLY AND KALPSAR DEPARTMENT

NOTIFICATION

Sachivalaya, Gandhinagar, 9th June, 2022

No. GNJ/2022-299/GOI-2022-70-MICell : In exercise of the powers conferred by sub-section (1) of section 14 of the Dam Safety Act, 2021 (No. 41 of 2021) of the Government of India, extends to the whole of India, the Government of Gujarat here by constitutes the Gujarat State Dam Safety Organization (GSDSO) headquartered at the office of superintending Engineer, Central design organization Gandhinagar and said Organization shall come into force, with the following composition, namely: -

1. Chief Engineer (North Gujarat) & Additional Secretary, Narmada, Water Resources, Water Supply and Kalpsar Department (N.W.R.W.S & K Dept.) shall be the head of the GSDSO.
2. There shall be 2 Superintending Engineers to assist the head of GSDSO. Each Superintending Engineer shall be heading following 2 wings with the assigned duties and functions as below: -

Sr. No.	Wings	Duties & Functions
1	Officer on Special Duty (IP-1), Narmada, Water Resources, Water Supply and Kalpsar Department (Superintending Engineer (Dam Safety))	<ol style="list-style-type: none"> 1) Maintain liaison with the National Committee on Dam Safety, National Dam Safety Authority, and the owners of the specified dams in the state for compilation of dam safety related data and implementation of practices as standardized by NCDS or NDSA, 2) Provide Secretarial assistance to the Gujarat State Committee on Dam Safety and its sub-committees 3) Provide Secretarial assistance to DSRPs 4) Furnish all information to the NDSA as and when required by them. 5) Report the event of any dam failure in the state to the NDSA, and furnish any information as and when required by them 6) maintain the records of major dam incidents of each specified dams in the state, and furnish all such information to the Authority as and when required by them

Sr. No.	Wings	Duties & Functions
		<p>7) Shall render instructions to the owner of a specified dam on the safety or the remedial measures required to be taken with respect to it.</p> <p>8) Prepare annual report, within three months of the expiry of the preceding financial year, of its activities and safety status of specified dams in the State and to forwarded to the Authority and State Government</p> <p>9) Inspect or cause to be inspected the specified dam either through its own engineers or by an independent panel of experts, who shall also examine the initial filling programme and prepare a detailed report there of duly certifying the fitness of dam for filling</p> <p>10) Any other specific matter relating to dam safety which may be referred to it by the State Government</p>
2	Superintending Engineer (Dams), Central Designs Organization, Gandhinagar	<p>1) Vulnerability and hazard classification of the specified dams in the state as per criteria laid down by NCDS or NDSA.</p> <p>2) Provide the state-of-the-art technical and managerial assistance to the owners of the specified dams</p> <p>3) Implementation of guidelines and check-lists for the routine inspection and detailed investigation of the specified dams and appurtenant structures Lay down by NCDS or NDSA</p> <p>4) Maintain a log book or database for each specified dam under their jurisdiction recording there in all activities related to the surveillance and inspection and all important events related to dam safety including serious distress conditions, if any, noticed there in; and with such details and in such form as may be specified by the regulations</p> <p>5) Give directions regarding quality control measures to be undertaken during construction of the specified dams as and when asked by the owner of specified dam</p> <p>6) Scrutiny of Operation and Maintenance Manual of specified dams of the state and to recommend to concerned Chief Engineer for its approval</p> <p>7) Draw the filling criteria and prepare an initial filling plan, with adequate time for monitoring and evaluating the performance of the dam and its appurtenant structures</p> <p>8) Approval for the construction of any specified dam or the alteration or enlargement of any existing specified dam shall be undertaken</p> <p>9) All functions as a Superintending Engineer (Dams), CDO prior to this notification</p> <p>10) Review of design floods of existing the specified dams in the state as per guidelines laid down by NCDS or NDSA.</p> <p>11) Scrutiny of Emergency Action Plan and to recommend to concerned Chief Engineer for its approval</p> <p>12) Review of site specific seismic parameter studies of the specified dams in the state as per guidelines laid down by NCDS or NDSA.</p> <p>13) All functions shall be performed in consultation with, (i) Hydrological wing at Central Designs Organizations, (ii) Geological Wing at Central Designs Organizations (iii) Mechanical wing of Water Resources Department (iv) Gujarat Engineering Research Institute, Vadodara, as the case may be.</p>

3. All specified dams in the state shall fall under the jurisdiction of the GSDSO in matters relating to dam inspections, analysis of information, investigation reports or recommendations regarding safety status and remedial measures to be undertaken for prevention of dam failure related disasters and to ensure their safe functioning.
4. SDSO-Gujarat shall be responsible to, and report to, the Secretary (Water Resources), Narmada, Water Resources, Water Supply and Kalpsar Department.
5. GSDSO shall, — (a) keep perpetual surveillance; (b) carry out inspections; and (c) monitor the operation and maintenance, of all specified dams falling under their jurisdiction to ensure continued safety of such specified dams and to suggest such measures as may be necessary to address safety concerns that are noticed with a view to achieve satisfactory level of dam safety assurance as per such guidelines, standards and other directions on dam safety as may be specified by the regulations.
6. GSDSO for the purpose of enabling it to make decisions compatible with public safety, shall make or cause to be made such investigations and shall gather or cause to be gathered such data as may be required for proper review and study of the various features of the design, construction, repair and enlargement of dams, reservoirs and appurtenant structures under their jurisdiction.
7. Having regard to the number of specified dams in the State, such number of officers and employees shall be provided to the State Dam Safety Organization as it may consider necessary for the efficient functioning of the said Organization:
8. The functions and powers of the officers and employees appointed under section (7) shall be such as may be prescribed by the State Government.
9. The organizational structure and work procedures of the State Dam Safety Organization shall be such as may be prescribed by the State Government.
10. The GSDSO may invite the representative of the owner of any specified dam and such other experts in dam safety (including international experts) as it may consider appropriate for the discharge of its functions. The fee and allowances paid to the expert invitees shall be such as may be prescribed by the State Government. The administrative and other expenses of the State Dam Safety Organization shall be borne by the State Government.
11. The State Dam Safety Organization shall classify each dam under their jurisdiction as per such vulnerability and hazard classification criteria as may be specified by the regulations.
12. State Dam Safety Organization shall maintain a log book or database for each specified dam under their jurisdiction recording there in all activities related to the surveillance and inspection and all important events related to dam safety and with such details and in such form as may be specified by the regulations and shall furnish all such information to the Authority as and when required by them.
13. State Dam Safety Organization shall report the event of any dam failure under their jurisdiction to the Authority, and furnish any information as and when required by them and shall maintain the records of major dam incidents of each specified dams under their jurisdiction, and furnish all such information to the Authority as and when required by them.
14. State Dam Safety Organization shall render its instructions to the owner of a specified dam on the safety or the remedial measures required to be taken with respect to it.
15. The above composition of GSDSO shall be in force from the date of this Notification. Government of Gujarat can Re-Constitute the said GSDSO as felt necessary from time to time, to fulfil its functions.

By order and in the name of the Governor of Gujarat.

(Sd/-) Illigible,
Officer on Special Duty (IP).

NARMADA, WATER RESOURCES, WATER SUPPLY AND KALPSAR DEPARTMENT

NOTIFICATION

Sachivalaya, Gandhinagar, 9th June, 2022

No. GNJ/2022-300/GOI-2022-70-MICell : In exercise of the powers conferred by sub-section (1) of section 11 of the Dam Safety Act, 2021 (No. 41 of 2021) of the Government of India, extends to the whole of India, the Government of Gujarat here by constitutes the Gujarat State Committee on Dam Safety (GSCDS) and the said committee shall come into force, with the following composition, namely: -

Sr. No.	Name of the Official Post/ Representative on behalf of Government	Designation
(1)	Secretary (Water Resources), Narmada, Water Resources, Water Supply & Kalpsar Department	Chairperson, <i>ex officio</i>
(2)	Special Secretary (Water Resources), Narmada, Water Resources, Water Supply & Kalpsar Department	Member, <i>ex officio</i>
(3)	Chief Engineer (North Gujarat) & Additional Secretary, Narmada, Water Resources, Water Supply & Kalpsar Department	Member, Secretary <i>ex officio</i>
(4)	Chief Engineer (Central Gujarat) & Additional Secretary, Narmada, Water Resources, Water Supply & Kalpsar Department	Member, <i>ex officio</i>
(5)	Chief Engineer (South Gujarat) & Additional Secretary, Narmada, Water Resources, Water Supply & Kalpsar Department	Member, <i>ex officio</i>
(6)	Chief Engineer (Saurashtra) & Additional Secretary, Narmada, Water Resources, Water Supply & Kalpsar Department	Member, <i>ex officio</i>
(7)	Representatives of the rank of Chief Engineer from Sardar Sarovar Narmada Nigam Ltd.	Member, <i>ex officio</i>
(8)	Representative of Maharashtra Government of the level of Chief Engineer or equivalent	Member, <i>ex officio</i>
(9)	Representative of Madhya Pradesh Government of the level of Chief Engineer or equivalent	Member, <i>ex officio</i>
(10)	Representative of Rajasthan Government of the level of Chief Engineer or equivalent	Member, <i>ex officio</i>
(11)	Representative of UT's of Daman & Diu and Dadra & Nagar Haveli of the level of Chief Engineer or equivalent	Member, <i>ex officio</i>
(12)	Representative of Central Water Commission not below the rank of Director.	Member, <i>ex officio</i>
(13)	Expert (Hydrology) from the National Institute of Hydrology, Roorkee.	Member, <i>ex officio</i>
(14)	Expert (Dam Design) from Indian Institute of Technology, Roorkee.	Member, <i>ex officio</i>
(15)	Expert (Seismic) from Institute of Seismological Research, Gandhinagar.	Member, <i>ex officio</i>
(16)	Representative of the Central Electricity Authority, New Delhi.	Member, <i>ex officio</i>
(17)	Chief Engineer (Panchayat, Planning and Monitoring) & Additional Secretary, Narmada, Water Resources, Water Supply & Kalpsar Department	Member; Invitee
(18)	Chief Engineer and Director, Gujarat Engineering Research Institute, Vadodara	Member; Invitee
(19)	Chief Engineer (Mechanical) & Additional Secretary, Narmada, Water Resources, Water Supply & Kalpsar Department	Member; Invitee
(20)	One representative of the Water Supply Department level of Chief Engineer or equivalent	Member; Invitee
(21)	One representative of the Urban Department of Chief Engineer or equivalent ; (On invitation)	Member; Invitee
(22)	One representative of the Forest Department	Member; Invitee

2. The GSCDS shall discharge such functions as specified in the Third Schedule of the Dam Safety Act-2021 as enlisted below as may be necessary to prevent dam failure
 - i. For the purpose of maintaining standards of dam safety and prevention of dam failure related disasters, discharge such functions as may be necessary as per the guidelines, standards and other directions issued by the Authority;
 - ii. Review the work done by the Gujarat State Dam Safety Organization;
 - iii. Establish priorities for investigations in case of specified dams under distress condition;
 - iv. In cases where investigations with respect to safety of any specified dam in the State had already been undertaken, to order further investigations in relation to safety of such specified dam and assign responsibilities for execution including the use of non-departmental resources, and association of independent experts where necessary;
 - v. Recommend the appropriate measures to be taken in relation to the safety of the specified dam which is under distress condition;
 - vi. Establish priorities among projects requiring remedial safety works;
 - vii. Review the progress on measures recommended in relation to dam safety;
 - viii. Assess potential implication of reservoir filling of a specified dam in the State on any upstream State, and coordinate mitigation measures with such upstream States;
 - ix. Assess potential implication of failure of a specified dam in the State on any downstream State, and coordinate mitigation measures with such downstream States;
 - x. Assess probability of cascading dam failure, and coordinate mitigation measures with all concerned, including bordering States;
 - xi. Recommend provision of funds for the purpose of planned and appropriately phased rehabilitation of ageing dams in the State;
 - xii. Provide strategic supervision for such dam improvement and rehabilitation programmes that are executed through State funding; and
 - xiii. Any other specific matter relating to dam safety which may be referred to it by the State Government
3. The GSCDS, in discharge of its functions, shall be assisted by such sub-committees as it may consider necessary, and the secretarial assistance to GSCDS as well as its sub-committees shall be provided by the Gujarat State Dam Safety Organization.
4. The GSCDS shall meet at least twice in a year. After monsoon in the month of October or November and before the onset of the monsoon season in the month of May. Date, time and place shall be decided and communicated to the Chairperson and members by The Gujarat State Dam Safety Organization.
5. The GSCDS may invite the representative of the owner of any specified dam and such other experts in Dam Safety as it may consider appropriate, for the discharge of its functions.
6. The expenditure incurred on the meetings of the GSCDS shall be in the manner as may be prescribed by the Government of Gujarat.
7. The specialist members and other expert invitees who attend the meetings of the State Committee or its sub-committees shall be paid such fees and allowances as may be prescribed by the Government of Gujarat.
8. The above composition of GSCDS shall be in force for three years from the date of this Notification, and there after the committee shall be re-constituted.

By order and in the name of the Governor of Gujarat.

(Sd/-) Illigible,
Officer on Special Duty (IP).

